S
SHELVED WITH PERIODICALS
S
553.28
O1S
NOV 1965
Montana State Library
3 0864 1006 0116 3
UNIVERSITY OF MONTANA
DISCARDED
MAY 1 1969
LIBRARY
UNIVERSITY of MONTANA

Montana Oil and Gas STATISTICAL BULLETIN

ADMINISTRATORS
JAMES F. NEELY
EXECUTIVE SECRETARY
JOHN H. RISKEN
ATTORNEY
GORDON D. LANOUETTE
PETROLEUM ENGINEER
BILLY B. LANE
GEOLOGIST
NORMAN J. BEAUDRY
ACCOUNTANT

COMMISSIONERS
E. G. BALSAM, CHAIRMAN
2300 PEARL
MILES CITY, MONTANA
WINSTON L. COX, VICE CHAIRMAN
2512 RAYMOND PLACE
BILLINGS, MONTANA
ALLEN ZIMMERMAN
BOX 277
POPLAR, MONTANA
LYLE KASSEL
142 3RD SOUTH
SHELBY, MONTANA
CLYDE BREWER
P. O. BOX 294
ROUNDUP, MONTANA

OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XIV, No. 11 — 3 — November 1966

Production of crude oil and condensate from the oil and gas areas of Montana for the month of November, 1966, averaged 95,654 barrels daily, an increase of 785 barrels from the average October production of 94,869.

The nine refineries in state processed 88,804 barrels of crude oil daily for the month of November, 1966, a decrease of 154 barrels from the 88,958 barrels processed daily during the month of October, 1966.

During November, 30 wells were completed, 8 oil, 0 gas well and 22 dry holes.

During November, the commission issued 48 permits to drill new wells, the same number of permits that were issued in October.

SUMMARY OF CRUDE OIL PRODUCTION REFINING STORAGE, ETC., IN MONTANA

MONTH OF NOVEMBER, 1966

IN STORAGE NOVEMBER 1st	
By Producers	334,877
By Transporters	930,692
By Refiners	628,251
TOTAL STORAGE	1,893,820
Produced in Montana During Month	2,869,641
Imported During Month	1,807,262
TOTALS	6,570,723
DISPOSITION:	
Refined in Montana	2,664,138
Exported	2,077,953
Used for Fuel or Lost	6,327
TOTAL	4,748,418
IN STORAGE NOVEMBER 30th	
By Producers	335,137
By Transporters	935,833
By Refiners	551,335
TOTAL STORAGE	1,822,305

NATURAL GAS WITHDRAWALS IN MONTANA

Month of November, 1966

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	113,990
Bowdoin	251,521
Bowes	51,152
Cabin Creek	105,851
Cedar Creek	314,760
Cut Bank (Including Reagan)	754,733
Devon	0
Dry Creek	93,062
Elk Basin	150,456
Flat Coulee	10,916
Gold Butte	0
Golden Dome	0
Grandview	0
Hardin	3,162
Keith Block	404,077
Kevin Sunburst	74,016
Lake Basin	106,925
Middle Butte	2,818
Mt. Lilly	53,976
Pine	64,600
Plevna	13,262
Utopia	137,657
Whitlash	145,230
Miscellaneous	185,044
TOTAL	3,037,208

Total withdrawals for November, 1965 were 2,719,434 M Cu.Ft.

PRODUCERS REPORT—MONTH OF NOVEMBER, 1966

Lease	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
2	Ash Creek	5	176	5,781	.....	5,340	.....	617
....	Bannatyne	....	1,323	.....	.....	.....	.....	1,323
1	Bascom	1	128	64	.....	.....	.....	192
6	Bear's Den	6	1,615	1,576	.....	959	241	1,991
1	Benrud	1	242	1,834	1,611	.....	.....	465
1	Benrud East	1	742	8,682	8,958	.....	.....	466
2	Benrud Northeast	2	1,263	16,512	16,173	.....	184	1,418
....	Berthelote	....	173	.....	.....	.....	.....	173
7	Big Wall	25	1,243	19,250	18,943	.....	.....	1,550
5	Blackfoot	8	1,944	4,016	.....	2,906	.....	3,054
....	Blackfoot East	....	214	.....	.....	.....	.....	214
2	Border	4	.....	512	.....	512	.....	.....
1	Bowes	59	3,391	15,758	13,281	.....	.....	5,868
2	Bradley	2	776	820	770	.....	.....	826
....	Brady	....	296	.....	.....	.....	.....	296
....	Bynum	....	75	.....	.....	.....	.....	75
2	Cahin Creek	101	6,341	257,728	257,976	.....	.....	6,093
16	Cat Creek	88	3,352	15,198	14,367	.....	213	3,970
1	Clark's Fork	1	200	29	.....	199	.....	30
1	Conrad South	1	663	1,504	1,504	.....	.....	663
1	Cupton	1	1,029	686	.....	465	.....	1,250
192	Cut Bank	990	99,724	302,445	297,472	5,359	79	99,259
2	Deer Creek	3	1,234	3,166	3,349	.....	.....	1,051
1	Delphia	1	327	208	.....	194	.....	341
1	Devil's Basin	1	451	275	.....	.....	.....	726
1	Dry Creek	1	9	36	.....	.....	.....	45
14	Dwyer	15	6,427	23,135	23,872	.....	.....	5,690
3	Elk Basin	54	1,511	235,491	235,645	.....	80	1,277
5	Elk Basin Northwest	16	2,560	15,161	14,628	.....	.....	3,093
2	Fairview	2	1,144	22,087	.....	22,451	.....	780
3	Fertile Prairie	3	758	2,107	.....	2,255	.....	610
24	Flat Coulee	30	4,542	19,824	19,958	.....	.....	4,408
34	Flat Lake	51	6,720	110,076	108,694	.....	.....	8,102
2	Frannie	2	.....	1,198	1,198	.....	.....	.....
16	Fred & George Creek	38	2,123	105,651	105,212	.....	.....	2,562
1	Gage	1	425	263	.....	354	.....	334
1	Gage Southwest	1	521	552	.....	587	.....	486
3	Gas City	29	6,422	41,958	34,843	7,700	.....	5,837
9	Glendive	15	3,628	32,725	28,065	4,483	.....	3,805
20	Goose Lake	22	3,452	59,856	59,911	.....	123	3,274
9	Grahen Coulee	28	4,700	14,271	5,029	7,875	23	6,044
....	Grandview	....	112	.....	.....	.....	.....	112
5	Gypsy Basin	7	2,575	857	641	407	9	2,375
1	Hibbard	1	593	354	.....	396	.....	551
7	Ivanhoe	11	1,920	11,287	11,229	.....	62	1,916
10	Keg Coulee	27	5,939	22,759	22,892	.....	.....	5,806
2	Keg Coulee North	2	641	1,893	1,796	.....	.....	738
1	Kelley	1	546	6,509	.....	6,362	.....	693
117	Kevin Sunhurst	701	19,202	35,946	34,449	2,543	284	17,872
3	Little Beaver	30	1,894	61,135	61,728	.....	.....	1,301
2	Little Beaver East	13	2,065	16,168	15,206	.....	.....	3,027
3	Lodge Grass	3	452	2,776	.....	1,737	.....	1,491
25	Lookout Butte	81	5,995	165,365	166,768	.....	.....	4,592
....	Mackay Dome	....	770	.....	.....	.....	.....	770
2	Mason Lake	2	178	1,479	1,047	.....	.....	610
2	Melstone	5	776	2,712	2,312	.....	.....	1,176
1	Mineral Bench	1	834	1,988	2,333	.....	.....	489
3	Miner's Coulee	5	118	4,662	.....	4,579	.....	201
7	Monarch	12	3,031	14,363	13,376	.....	.....	4,018
3	Mosser	3	.....	546	.....	546	.....	.....
7	Outlook	12	7,663	37,753	37,519	.....	.....	7,897
2	Outlook South	2	1,069	2,771	2,568	.....	.....	1,272
70	Pennel	117	6,417	170,633	172,048	.....	.....	5,002
4	Pine	129	14,675	326,944	323,535	.....	749	17,335
3	Pole Creek	4	1,899	853	.....	1,344	.....	1,408
70	Pondera	314	7,260	27,911	27,446	.....	24	7,701
4	Poplar East	70	10,560	66,358	68,787	.....	38	8,093
4	Poplar Northwest	5	1,264	1,772	445	.....	.....	2,591
1	Prairie Elk	1	1,531	136	.....	868	.....	799
4	Ragged Point	13	2,629	13,131	13,157	.....	.....	2,603
2	Ranch Creek	2	644	1,636	.....	1,010	.....	1,270
1	Rattlesnake Coulee	1	662	1,404	.....	1,780	49	237
4	Reagan	45	1,285	19,248	19,378	.....	.....	1,155
1	Red Creek	27	.....	27,227	27,025	202	.....	.....
1	Redstone	1	535	938	1,150	.....	.....	323
1	Repeat	1	651	1,523	.....	1,914	.....	260
1	Reserve	1	.....	18,783	.....	16,476	.....	2,307
1	Richey	1	1,467	667	516	.....	436	1,182
6	Richey Southwest	8	1,017	10,285	.....	10,711	.....	591
4	Sand Creek	4	.....	5,245	5,245	.....	.....	.....
1	Shotgun Creek	1	280	630	.....	592	.....	318
3	Sidney-Brorson	3	1,993	1,855	500	1,833	.....	1,515
2	Snyder	4	833	1,048	.....	682	.....	1,199
5	Soap Creek	18	4,123	3,155	.....	3,054	2,965	1,259
1	Spring Lake	2	4,043	3,219	.....	2,489	.....	4,773
2	Stensvad	24	4,725	34,084	35,580	.....	.....	3,229
31	Sumatra	88	9,507	66,465	66,587	.....	.....	9,385
5	Tule Creek	7	2,559	38,590	13,822	24,653	.....	2,674
2	Tule Creek East	2	842	25,415	.....	25,978	.....	279
2	Tule Creek South	2	1,336	9,881	.....	10,092	.....	1,125
2	Vida	2	798	2,233	.....	2,701	.....	330
4	Volt	6	2,426	23,216	23,318	.....	.....	2,324
5	Weldon	16	2,633	155,796	157,485	.....	78	866
18	Whitlash	45	7,742	24,541	24,179	.....	.....	8,104
2	Whitlash West	2	352	1,974	1,520	.....	.....	806
2	Wills Creek South	2	1,234	7,883	8,036	.....	.....	1,081
9	Wolf Springs	12	4,885	31,164	31,437	.....	95	4,517
4	Woodrow	5	824	5,112	5,207	.....	.....	729
1	Wildcat, Glacier County	1	150	344	.....	247	2	245
....	Wildcat, Liberty County	....	528	.....	.....	.....	.....	528
1	Wildcat, Richland County	1	1,756	2,989	.....	3,648	.....	1,097
1	Wildcat, Roosevelt County	1	184	328	.....	194	.....	318
1	Wildcat, Sheridan County	1	391	3,267	.....	3,244	.....	414
883	Total	3,517	334,877	2,869,641	2,671,726	191,921	5,734	335,137

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1965	32,778,118	89,803	32,787,648	89,829
First Quarter, 1966	8,617,148	95,746	8,589,395	95,437
Second Quarter, 1966	8,949,646	98,347	8,979,056	98,670
Third Quarter, 1966	8,951,989	97,304	8,948,815	97,270
October, 1966	2,940,941	94,869	2,929,338	94,494
November, 1966	2,869,641	95,654	2,863,647	95,454

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1965	331,221	946,634	498,990	1,776,845
March, 1966	347,070	1,048,199	675,920	2,071,189
June, 1966	346,155	1,132,500	706,521	2,185,176
September, 1966	325,553	1,033,165	580,952	1,939,670
October, 1966	334,877	930,692	628,251	1,893,820
November, 1966	335,137	935,833	551,335	1,822,305

*Includes Wyoming Oil

TRANSPORTERS MONTHLY REPORT—MONTH OF NOVEMBER, 1966

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			5,340				5,340		
BEAR'S DEN—Truck			959					959	
BIG WALL—Continental Pipeline Co.		18,959				18,959			
BLACKFOOT—									
Camerland Cardinal Corp.			770					770	
Union Oil Co.			2,136					2,136	
			2,906					2,906	
BORDER—Truck			512				512		
BOWES—Texaco Inc.		13,281				13,281			
CABIN CREEK & OTHERS*—									
Butte Pipeline Co.	314,548	831,758	31,097	868,471			1,733,329		312,545
Shell Pipeline Co.	6,512	368,429			(10,277)			379,734	5,484
	321,060	1,200,187	31,097	868,471	(10,277)		1,733,329	379,734	318,029
CAT CREEK—									
Continental Pipeline Co.		10,534				10,534			
CLARK'S FORK—Truck			199				199		
CUT BANK—									
Continental Pipeline Co.			22,745	202,674		225,419			
Phillips Petroleum Co.	56,552	65,790		32,218	2,144	135,709			16,707
Producers Pipeline Co.	21,343	21,149						42,492	
Texas Pipeline Co.	14,782	71,515		24,248	201			90,639	19,705
Union Oil Co.	41,036	104,439		11,788	401	91,301			65,561
Western Oil Trans. Co.	12,540	34,037		94,456	340			126,484	14,209
Western Oil Trans. (Moulton)		67,082			671			66,411	
	146,253	364,012	22,745	365,384	3,757	452,429		326,026	116,182
DELPHIA—Truck			194			194			
DWYER—Portal Pipeline Co.		25,745					25,745		
ELK BASIN & ELK BASIN NORTH-WEST—Marathon Pipeline Co.		248,436				248,436			
FAIRVIEW—									
Rock Island Oil & Ref. Co.			22,451				22,451		
FLAT COULEE									
Camerland Cardinal Corp.		18,652						18,652	
FLAT LAKE—Portal Pipeline Co.		103,198					103,198		
FRANNIE—Interstate Pipeline Co.		1,198					1,198		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	14,293	102,371				4,217		102,183	10,264
GAGE & GAGE S.W.—Truck			941			941			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	7,052	38,896			605			37,388	7,955
GOOSE LAKE—Portal Pipeline Co.		58,551					58,551		
HIBBARD—Truck			396			396			
IVANHOE—Continental Pipeline Co.		10,816				7,993	2,823		
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		26,781				12,266	14,515		
KELLEY—Truck			6,362				6,362		
KEVIN SUNBURST—									
Big West Oil Co.	2,783	29,500				27,231		383	4,669
Homestake Oil & Gas Co.	1,624	2,626		5,911		8,182			1,979
Producers Pipeline Co.		383						383	
Texas Pipeline Co.	7,916	12,491			640			6,383	13,384
	12,323	45,000		5,911	640	35,413		7,149	20,032
LODGE GRASS—McWood Corp.			1,737			1,737			
MASON LAKE—Continental Pipeline Co.		1,047				1,047			
MELSTONE—Continental Pipeline Co.		2,312				2,312			
MOSSER—Truck			546				546		
POLE CREEK—Truck			1,344				1,344		
PONDERA—Phillips Petr. Co.	22,462	29,187			(256)	4,440			47,465
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, RED-STONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	11,150	210,914			1,352			203,751†	16,961
RAGGED POINT—									
Continental Pipeline Co.		8,957				1,811	7,146		
RANCH CREEK—									
Rock Island Oil & Ref. Co.			1,010				1,010		
RED CREEK—									
Western Oil Transportation Co.		27,528			275			27,253	
RESERVE—Truck			16,476				16,476		
SHOTGUN CREEK—Truck			592				592		
SIDNEY-BRORSON—McWood Corp.	4,687		1,833	7,222				9,350	4,392
SNYDER—Truck			682			682			
SOAP CREEK—McWood Corp.	4,422		3,054	1,710		5,488			3,698
SPRING LAKE—									
Rock Island Oil & Ref. Co.			2,489				2,489		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	379,375	98,865		510,714	3,637	80,129	18,736	507,077	379,375
TULE CREEK—Tesoro Petr. Corp.	7,615		60,723			56,858			11,480
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		24,679				24,679			
WOLF SPRINGS—									
Continental Pipeline Co.		23,798				23,798			
WILDCAT WELLS—Truck			7,333				7,333		
TOTALS	930,692	2,713,904	191,921	1,759,412	(267)	1,008,040	2,029,895	1,622,428	935,833

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF NOVEMBER, 1966

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall	.....	.....	.....	18,959	.....	.....	.....	.....	.....	18,959
Bowes	.....	.....	9,784	.....	.....	.....	.....	.....	.....	9,784
Cat Creek	.....	8,867	.....	5,961	.....	4,707	.....	.....	.....	19,535
Cut Bank	18,000	.....	.....	3,000	27,025	259	.....	.....	89,488	137,772
Delphia	.....	.....	.....	.....	.....	383	.....	.....	.....	383
Dry Creek	.....	.....	.....	.....	.....	70	.....	.....	.....	70
Elk Basin	.....	98,667	.....	62,740	85,795	.....	.....	.....	.....	247,202
Fred & George Creek	4,217	.....	.....	.....	.....	.....	.....	.....	.....	4,217
Gage & Gage S. W.	.....	.....	.....	.....	.....	1,417	.....	.....	.....	1,417
Hibbard	.....	.....	.....	.....	.....	540	.....	.....	.....	540
Ivanhoe	.....	.....	.....	.....	7,993	.....	.....	.....	.....	7,993
Keg Coulee	.....	1,796	.....	10,470	.....	.....	.....	.....	.....	12,266
Kevin Sunburst	35,413	.....	.....	.....	.....	.....	.....	.....	.....	35,413
Lodge Grass	.....	1,737	.....	.....	.....	.....	.....	.....	.....	1,737
Mason Lake	.....	1,047	.....	.....	.....	.....	.....	.....	.....	1,047
Melstone	.....	.....	.....	2,312	.....	.....	.....	.....	.....	2,312
Pondera	.....	.....	.....	.....	.....	.....	140,772	.....	.....	140,772
Ragged Point	.....	942	.....	869	.....	.....	.....	.....	.....	1,811
Sand Creek	.....	.....	.....	.....	.....	733	.....	.....	.....	733
Snyder	.....	682	.....	.....	.....	.....	.....	.....	.....	682
Soap Creek	.....	5,488	.....	.....	.....	.....	.....	.....	.....	5,488
Sumatra & Stensvad	.....	16,166	.....	63,963	13,947	.....	.....	.....	.....	94,076
Tule Creek	.....	.....	.....	.....	.....	.....	.....	56,858	.....	56,858
Whitlash	24,679	.....	.....	.....	.....	.....	.....	.....	.....	24,679
Wolf Springs	.....	.....	.....	.....	31,130	.....	.....	.....	.....	31,130
Total Montana Oil	82,309	135,392	9,784	168,274	165,890	8,109	140,772	56,858	89,488	856,876
Canadian Oil Imported	.....	193,498	.....	.....	.....	.....	.....	.....	.....	193,498
Wyoming Oil Imported	.....	412,239	.....	354,660	846,865	.....	.....	.....	.....	1,613,764
Total Montana, Canadian and Wyoming Oil	82,309	741,129	9,784	522,934	1,012,755	8,109	140,772	56,858	89,488	2,664,138

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1965	32,792	12,751	44,980	90,523
November, 1965	36,295	13,525	42,950	92,770
November, 1966	28,562	6,450	53,792	88,804

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1965	36.22%	14.10%	49.68%
November, 1965	39.12%	14.59%	46.29%
November, 1966	32.16%	7.27%	60.57%